TYAN

Workstation Solution

Tempest i5000XT

S2696

intel Xeon® inside™

Dual Xeon "Greencreek" Workstation (SSI)

- Dual Intel® 5000/5100/5300 CPUs (socket-771),with PECI ready
- Intel® 5000X + 6321ESB chip
- (8) Fully-Buffered DIMMs, supporting max. 32GB FBD-DDR2 667/533 memory
- (2) PCI-E x16 slots
  (1) PCI-E x8 slot
  (2) PCI-X 133/100MHz slots from 6321ESB
  (1) PCI 32-bit 33MHz slot
- (6)SATA2 ports from ESB2 South Bridge
- LSI 1068E 8-port SAS controller
- (2) Gigabit Ethernet LANs (Intel® 82563 dual GbE PHY)

(Specifications are subject to change without notice. Items pictured may only be representative.)

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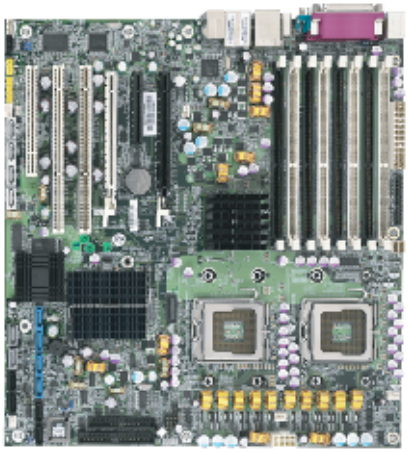
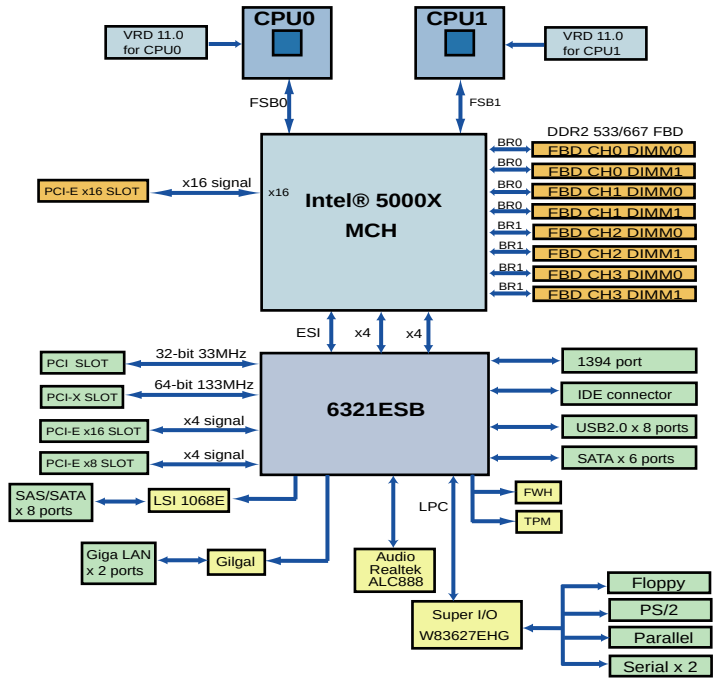
TOP View



Block Diagram



S P E C I F I C A T I O N S

Processors
- Dual LGA771 sockets
- Supports up to two Intel® 5000/5100/5300 CPUs
- 1333/1066/667 MHz FSB
- VRD 11.0

Chipset
- Intel® 5000X + 6321ESB Chipset
- Supports for 1.33/1.06 MHz FSB
- Winbond 83627EHG Super I/O chip

Memory
- Four 240-pin DDR2 FBDIMM sockets
- 4 memory channels
- Supports ECC DIMMs
- Maximum of 32GB DDR2-533/667

Expansion Slots
- (2) PCI-E x16 slots (one x4 sig. from 6321ESB;one x16 signals for graphics cards)
- (1) PCI-E x8 slot (x4 sig. from 6321ESB)
- (2) PCI-X 133/100MHz slots from 6321ESB
- (1) PCI 32-bit 33MHz slot

Integrated I/O
- (4) USB 2.0 ports (via 2 headers)
- (6) standard SATA2 connectors
- (1) IDE and (1) floppy ports
- (8) SAS ports
- (1) 4-pin CD-in and (1) 4-pin Aux-in header
- (1) 9-pin front panel audio header

Back Panel I/O
- Stacked PS/2 keyboard & mouse connectors
- Stacked (1) serial and (1) parallel connector
- Stacked (2) USB 2.0 ports
- Firewire (1394a) connector
- (2) stacked USB 2.0 ports & (1) RJ45 port
- Stacked Line-in, Line-out, Mic-in audio connectors

System Management
- ADI ADT7470 Hardware Monitor
- CPU thermal & voltage monitor support
- Five (5) fan headers (4-pin configuration)

Integrated Audio Controller
- HDA link; SPDIF in/out port in rear
- RealTek ALC888 controller (High-Def. Audio)
- Stacked Mic-in/Line-in/Line-out rear ports
- Front panel audio header
- CD-in, Aux-in headers (4-pin configuration)

Integrated SATA Controller
- (6) SATA-II ports running at 3.0Gb/s
- RAID 0, 1, 5, and 10 supported (Window OS only)

Integrated SAS Controller
- LSI 1068E SAS controller
- (8) SAS ports; RAID 0, 1, and 1E supported
- Supports Integrated Mirroring, Integrated Enhanced Mirroring, and Integrated Stripping

Integrated FireWire (1394a) Controller
- TI TSB43AB22 1394a controller
- 1394a channel for rear (connector)
- 1394a channel for front (header)

Integrated LAN Controllers
- Intel® Gigabit from 6321ESB (with dual pors "Gilgal")
  - ASF 2.0; two RJ-45 ports with LED

Trusted Platform Management (TPM)
- Infineon SLB9635TT 1.2 (w/ 5000X-G chipset)

BIOS
- Phoenix BIOS® on 8Mbit Flash ROM
- Support ACPI 2.0
- PXE via Ethernet, USB device boot
- PnP, DMI 2.0, WfM 2.0 Power Management
- User-configurable H/W monitoring
- Auto-configuration of hard disk types
- Multiple boot options
- 48-bit LBA support

Form Factor
- SSI / Extened ATX footprint (12" x 13")

Power
- EPS12V / SSI (24 + 8 + 4 pin) power connectors

Regulatory
- FCC Class B (Declaration of Conformity)
- European Community CE (DoC)

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